

Survey response	
Response ID	24
Course Prefix:	AEC
Course #:	390
Course Title:	Engineering Economics
Delivery Format:	Online
Pre-Requisite:	N/A
Instructor:	Zikai Zhou
Semester:	Fall
Year:	2018
Academic Partner Name:	N/A
Academic Partner Title:	N/A
Academic Partner Contact Info:	N/A
Industry Partner Name:	N/A
Industry Partner Title:	N/A
Industry Partner Contact Info:	N/A
Course guest Speaker (1) - Name, Title, Company	N/A
Course Guest Speaker (1): Topic Covered	N/A
Course guest Speaker (2) - Name, Title, Company	N/A
Course Guest Speaker (2): Topic Covered	N/A
1. ACCE SLO	14. Understand construction accounting and cost control.
2. ACCE SLO	4. Create construction project cost estimates.
Number of Students Enrolled:	119
Number of CET students:	117
Number of AET Students:	0
ACCE SLO (1) Assessment Instrument Used:	Quiz
ACCE SLO (1) Assessment Instrument Used: [Other]	
Target: 80% of students achieve a 70% or higher on the assessment	
Provide a description of the Assessment Instrument used to assess ACCE SLO #1	Final exam includes multiple choice questions and calculation problems
ACCE SLO (1) Findings (please report CET Hattiesburg Campus, and CET online separately)	Target is met
If ACCE SLO (1) Target not met identify action plan to improve outcomes:	Target is met
ACCE SLO (2) Assessment Instrument Used:	Assignment

ACCE SLO (2) Assessment Instrument Used: [Other]	
Provide a description of the Assessment Instrument used to assess ACCE SLO #2	Assignments consist of calculation problems
ACCE SLO (2) Findings (please report CET Hattiesburg Campus, and CET online separately)	Target is met
If ACCE SLO (2) Target not met identify action plan to improve outcomes:	Target is met

Survey response	
Response ID	25
Course Prefix:	AEC
Course #:	390
Course Title:	Engineering Economics
Delivery Format:	Online
Pre-Requisite:	N/A
Instructor:	Zikai Zhou
Semester:	Fall
Year:	2018
Academic Partner Name:	N/A
Academic Partner Title:	N/A
Academic Partner Contact Info:	N/A
Industry Partner Name:	N/A
Industry Partner Title:	N/A
Industry Partner Contact Info:	N/A
Course guest Speaker (1) - Name, Title, Company	N/A
Course Guest Speaker (1): Topic Covered	N/A
Course guest Speaker (2) - Name, Title, Company	N/A
Course Guest Speaker (2): Topic Covered	N/A
1. ACCE SLO	4. Create construction project cost estimates.
2. ACCE SLO	14. Understand construction accounting and cost control.
Number of Students Enrolled:	119
Number of CET students:	117
Number of AET Students:	0
ACCE SLO (1) Assessment Instrument Used:	Other
ACCE SLO (1) Assessment Instrument Used: [Other]	Assignments, attendance, project, and final exam
Target: 80% of students achieve a 70% or higher on the assessment	
Provide a description of the Assessment Instrument used to assess ACCE SLO #1	Assessment instruments include 4 homework assignments, 1 group project, attendance check, and 1 final exam.
ACCE SLO (1) Findings (please report CET Hattiesburg Campus, and CET online separately)	Online: 89% (N=117) 104/117 online students received a 70 or higher on their final grades.

If ACCE SLO (1) Target not met identify action plan to improve outcomes:	N/A
ACCE SLO (2) Assessment Instrument Used:	N/A
ACCE SLO (2) Assessment Instrument Used: [Other]	
Provide a description of the Assessment Instrument used to assess ACCE SLO #2	N/A
ACCE SLO (2) Findings (please report CET Hattiesburg Campus, and CET online separately)	N/A
If ACCE SLO (2) Target not met identify action plan to improve outcomes:	N/A

Survey response	
Response ID	26
Course Prefix:	AEC
Course #:	478
Course Title:	Applications of Construction Law
Delivery Format:	Both Online and F-to-F
Pre-Requisite:	ENG 101, ENG 102 & Senior Standing
Instructor:	Doris Kemp
Semester:	Fall
Year:	2018
Academic Partner Name:	Gregory Starzyk, J.D., C.P.C.
Academic Partner Title:	Associate Professor, California Polytechnic State University
Academic Partner Contact Info:	gstarzyk@calpoly.edu (805) 756-2110
Industry Partner Name:	W. Edward Hatten Jr.
Industry Partner Title:	Attorney at Law at Dukes, Dukes, Keating & Faneca, P.A.
Industry Partner Contact Info:	ed@ddkf.com (228) 679-1565
Course guest Speaker (1) - Name, Title, Company	Ed Hatten Jr., Attorney at Law, Dukes, Dukes, Keating, Faneca, P.A. in Gulfport, MS November 12, 2018
Course Guest Speaker (1): Topic Covered	Hie experiences with legal matters, court cases, and construction law in Mississippi
Course guest Speaker (2) - Name, Title, Company	Emris Graham-Senior VP and Cooper Harrington- Account Executive November 14, 2018 McGriff, Siebels & Williams, Inc. in Birmingham, AL
Course Guest Speaker (2): Topic Covered	Types of insurance available & needed for construction, what an insurance broker does, how bonding works
1. ACCE SLO	1. Create written communications appropriate to the construction discipline.
2. ACCE SLO	17. Understand the legal implications of contract, common, and regulatory law to manage a construction project.
Number of Students Enrolled:	90
Number of CET students:	79
Number of AET Students:	11
ACCE SLO (1) Assessment Instrument Used:	Other

ACCE SLO (1) Assessment Instrument Used: [Other]	5,000 word Position Paper
Target: 80% of students achieve a 70% or higher on the assessment	
Provide a description of the Assessment Instrument used to assess ACCE SLO #1	Students are required to select and have instructor approve a construction-related topic for which they will write a 5,000 word position paper. They are to present both sides of an argument related to their topic and defend one side.
ACCE SLO (1) Findings (please report CET Hattiesburg Campus, and CET online separately)	Construction on-campus: 78.6% (11/14) students achieved a 70% or higher on the Position Paper Architecture 0on-campus: 90.9% (10/11) students achieved a 70% or higher on the Position Paper Online: 92.3% (60/65) students achieved a 70% or higher on the Position Paper
If ACCE SLO (1) Target not met identify action plan to improve outcomes:	The online Construction and Architecture students met the target but the on-campus Construction students did not. The on-campus students are traditional students and many have not developed writing skills to be able to develop a well-written position paper. The instructor will strongly encourage that students use the services of the USM Writing Center to help improve the quality of their papers.
ACCE SLO (2) Assessment Instrument Used:	Test
ACCE SLO (2) Assessment Instrument Used: [Other]	
Provide a description of the Assessment Instrument used to assess ACCE SLO #2	The students completed a proctored hundred multiple choice question comprehensive exam that randomly selects 5-7 questions from each of the 15 chapters covered in the course.
ACCE SLO (2) Findings (please report CET Hattiesburg Campus, and CET online separately)	Construction on-campus: 78.6% (11/14) students achieved a 70 or higher on the final exam Architecture on-campus: 81.8% (9/11) students achieved a 70 or higher on the final exam.. online: 87.6% (57/65) students achieved a 70 or higher on the final exam
If ACCE SLO (2) Target not met identify action plan to improve outcomes:	The Construction online students and Architecture students met the target but the Construction on-campus did not. Based on comments from on-campus students they had multiple final projects in courses and did not have enough time to prepare for the exam in this class. It may be possible to start the review for the final exam earlier and improve the outcomes.

Survey response	
Response ID	28
Course Prefix:	BCT
Course #:	380
Course Title:	Construction Safety
Delivery Format:	Both Online and F-to-F
Pre-Requisite:	None
Instructor:	Siyuan Song
Semester:	Fall
Year:	2018
Academic Partner Name:	Eric Marks
Academic Partner Title:	PhD, PE, Professor of Practice
Academic Partner Contact Info:	eric.marks@ce.gatech.edu
Industry Partner Name:	Jerry Arnold
Industry Partner Title:	Safety Director
Industry Partner Contact Info:	jarnold@woodwarddesignbuild.com
Course guest Speaker (1) - Name, Title, Company	Jerry Arnold, Safety Director, Woodward Design+Build
Course Guest Speaker (1): Topic Covered	“OSHA’s New Final Rule on crystalline silica: what you need to know”
Course guest Speaker (2) - Name, Title, Company	Andrew Hall, Safety Director, Garrison Steel
Course Guest Speaker (2): Topic Covered	“The Gap Between School And Jobsite”
1. ACCE SLO	3. Create a construction project safety plan.
2. ACCE SLO	13. Understand construction risk management.
Number of Students Enrolled:	109
Number of CET students:	109
Number of AET Students:	0
ACCE SLO (1) Assessment Instrument Used:	Project

ACCE SLO (1) Assessment Instrument Used: [Other]	
Target: 80% of students achieve a 70% or higher on the assessment	
Provide a description of the Assessment Instrument used to assess ACCE SLO #1	Project
ACCE SLO (1) Findings (please report CET Hattiesburg Campus, and CET online separately)	24/29 (82.8%) of face to face students earned a 'C' or better; 71/80 (88.8%) of online students earned a 'C' or better.
If ACCE SLO (1) Target not met identify action plan to improve outcomes:	Target Met by both face to face and online students.
ACCE SLO (2) Assessment Instrument Used:	Quiz
ACCE SLO (2) Assessment Instrument Used: [Other]	
Provide a description of the Assessment Instrument used to assess ACCE SLO #2	Quiz
ACCE SLO (2) Findings (please report CET Hattiesburg Campus, and CET online separately)	20/29 (69%) of face to face students earned a 'C' or better; 65/80 (81.3%) of online students earned a 'C' or better.
If ACCE SLO (2) Target not met identify action plan to improve outcomes:	Face to face: target didn't meet. One of the reason is most of on campus students didn't have any working experience. Also, some of them are freshman/ sophomore without enough construction knowledge background. Quizzes with limited time and have only one attempt are challenging for these students. Future improvement could be 1) provide

	students field trips 2) set a pre-requisite for this course 3) give extra time or extra attempts Online: target met.
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Survey response	
Response ID	29
Course Prefix:	AEC
Course #:	365
Course Title:	Estimating II
Delivery Format:	Both Online and F-to-F
Pre-Requisite:	AEC 254
Instructor:	Hannon
Semester:	Fall
Year:	2018
Academic Partner Name:	Tammy McCuen
Academic Partner Title:	Prof
Academic Partner Contact Info:	Univ OK
Industry Partner Name:	Ben Crosby
Industry Partner Title:	VDC Manager
Industry Partner Contact Info:	Yates const
Course guest Speaker (1) - Name, Title, Company	N/A
Course Guest Speaker (1): Topic Covered	N/A
Course guest Speaker (2) - Name, Title, Company	N/A
Course Guest Speaker (2): Topic Covered	N/A
1. ACCE SLO	4. Create construction project cost estimates.
2. ACCE SLO	10. Apply electronic-based technology to manage the construction process.
Number of Students Enrolled:	102
Number of CET students:	93
Number of AET Students:	9
ACCE SLO (1) Assessment Instrument Used:	Assignment
ACCE SLO (1) Assessment Instrument Used: [Other]	

Target: 80% of students achieve a 70% or higher on the assessment	
Provide a description of the Assessment Instrument used to assess ACCE SLO #1	Detailed Cost Estimate.
ACCE SLO (1) Findings (please report CET Hattiesburg Campus, and CET online separately)	On-campus: 80% (N=30) 24/30 on-campus students received a 70 or higher on the project. Online: 67% (N=72) 48/72 online students received a 70 or higher on the project. ACT: 56% (N=9) 5/9 ACT students received a 70 or higher on the project. BCT: 72% (N=93) 67/93 BCT students received a 70 or higher on the project.
If ACCE SLO (1) Target not met identify action plan to improve outcomes:	unknown
ACCE SLO (2) Assessment Instrument Used:	Assignment
ACCE SLO (2) Assessment Instrument Used: [Other]	
Provide a description of the Assessment Instrument used to assess ACCE SLO #2	3D Model Exercise on Clash Detection utilizing Navisworks and Tekla BIMsight.
ACCE SLO (2) Findings (please report CET Hattiesburg Campus, and CET online separately)	On-campus: 97% (N=30) 29/30 on-campus students received a 70 or higher on the project. Online: 82% (N=72) 59/72 online students received a 70 or higher on the project. ACT: 89% (N=9) 8/9 ACT students received a 70 or higher on the project. BCT: 94% (N=93) 87/94 BCT students received a 70 or higher on the project.
If ACCE SLO (2) Target not met identify action plan to improve outcomes:	N/A

Survey response	
Response ID	30
Course Prefix:	AEC
Course #:	390
Course Title:	Engineering Economics
Delivery Format:	Face-to-Face
Pre-Requisite:	Math 101
Instructor:	Yuanyuan Zhang
Semester:	Fall
Year:	2018
Academic Partner Name:	Zikai Zhou
Academic Partner Title:	Visiting Professor
Academic Partner Contact Info:	zikai.zhou@usm.edu
Industry Partner Name:	N/A
Industry Partner Title:	N/A
Industry Partner Contact Info:	N/A
Course guest Speaker (1) - Name, Title, Company	Zikai Zhou, Visiting Professor, USM
Course Guest Speaker (1): Topic Covered	How to compare multiple project options and B/C analysis
Course guest Speaker (2) - Name, Title, Company	N/A
Course Guest Speaker (2): Topic Covered	N/A
1. ACCE SLO	2. Create oral presentations appropriate to the construction discipline.
2. ACCE SLO	4. Create construction project cost estimates.
Number of Students Enrolled:	40
Number of CET students:	29
Number of AET Students:	1
ACCE SLO (1) Assessment Instrument Used:	Project
ACCE SLO (1) Assessment Instrument Used: [Other]	
Target: 80% of students achieve a 70% or higher on the assessment	
Provide a description of the Assessment Instrument used to assess ACCE SLO #1	Students were asked to present a 10-minute Engineering Economics related topic in the class
ACCE SLO (1) Findings (please report CET Hattiesburg Campus, and CET online separately)	On-Campus: 95% (N=40) 38/40 on-campus students received a 70 or higher on the project.

If ACCE SLO (1) Target not met identify action plan to improve outcomes:	N/A
ACCE SLO (2) Assessment Instrument Used:	Other
ACCE SLO (2) Assessment Instrument Used: [Other]	Homework plus final exam
Provide a description of the Assessment Instrument used to assess ACCE SLO #2	Four times of homework was assigned during the semester and a final exam was conducted in the final week.
ACCE SLO (2) Findings (please report CET Hattiesburg Campus, and CET online separately)	On-Campus: 95% (N=40) 38/40 on-campus students received a 70 or higher on the project.
If ACCE SLO (2) Target not met identify action plan to improve outcomes:	N/A

Survey response	
Response ID	31
Course Prefix:	BCT
Course #:	445
Course Title:	Soils and Foundations
Delivery Format:	Both Online and F-to-F
Pre-Requisite:	AEC 270
Instructor:	Fan Zhang
Semester:	Fall
Year:	2018
Academic Partner Name:	Franklin Heitmuller
Academic Partner Title:	Associate Professor
Academic Partner Contact Info:	franklin.heimuller@usm.edu
Industry Partner Name:	Joshua Layton
Industry Partner Title:	Project Manager
Industry Partner Contact Info:	jlayton@jlayton.us
Course guest Speaker (1) - Name, Title, Company	Joshua Layton, P. E. – Southern Contracting, jlayton@jlayton.us, 662-315-6516
Course Guest Speaker (1): Topic Covered	Interpreting soil reports
Course guest Speaker (2) - Name, Title, Company	Franklin Heitmuller, Ph.D., Associate Professor, Department of Geography and Geology, USM, franklin.heimuller@usm.edu, 601-266-5423.
Course Guest Speaker (2): Topic Covered	Mississippi Soils
1. ACCE SLO	19. Understand the basic principles of structural behavior.
2. ACCE SLO	N/A
Number of Students Enrolled:	59
Number of CET students:	59
Number of AET Students:	0
ACCE SLO (1) Assessment Instrument Used:	Test
ACCE SLO (1) Assessment Instrument Used: [Other]	
Target: 80% of students achieve a 70% or higher on the assessment	
Provide a description of the Assessment Instrument used to assess ACCE SLO #1	Final exam is used to assess SLO 19.

ACCE SLO (1) Findings (please report CET Hattiesburg Campus, and CET online separately)	On-campus: 60% (N=20) 12/20 on-campus students received a 70 or higher Online: 79.5% (N=39) 31/39 online students received a 70 or higher
If ACCE SLO (1) Target not met identify action plan to improve outcomes:	Target is not met for on-campus students. Target is almost met for online students. The action plan is to encourage on-campus students to come to office hours to ask questions.
ACCE SLO (2) Assessment Instrument Used:	N/A
ACCE SLO (2) Assessment Instrument Used: [Other]	
Provide a description of the Assessment Instrument used to assess ACCE SLO #2	N/A
ACCE SLO (2) Findings (please report CET Hattiesburg Campus, and CET online separately)	N/A
If ACCE SLO (2) Target not met identify action plan to improve outcomes:	N/A

Survey response	
Response ID	32
Course Prefix:	AEC
Course #:	254
Course Title:	Estimating I
Delivery Format:	Both Online and F-to-F
Pre-Requisite:	Trig
Instructor:	Hannon/Banks
Semester:	Fall
Year:	2018
Academic Partner Name:	Tamera McCuen
Academic Partner Title:	Professor
Academic Partner Contact Info:	a
Industry Partner Name:	Brian Varnado
Industry Partner Title:	President/CEO
Industry Partner Contact Info:	b
Course guest Speaker (1) - Name, Title, Company	NA
Course Guest Speaker (1): Topic Covered	NA
Course guest Speaker (2) - Name, Title, Company	NA
Course Guest Speaker (2): Topic Covered	NA
1. ACCE SLO	10. Apply electronic-based technology to manage the construction process.
2. ACCE SLO	N/A
Number of Students Enrolled:	77
Number of CET students:	64
Number of AET Students:	13
ACCE SLO (1) Assessment Instrument Used:	Assignment
ACCE SLO (1) Assessment Instrument Used: [Other]	
Target: 80% of students achieve a 70% or higher on the assessment	
Provide a description of the Assessment Instrument used to assess ACCE SLO #1	Quantity Take-off and Estimate
ACCE SLO (1) Findings (please report CET Hattiesburg Campus, and CET online separately)	SLO 10 N %>70 BCT 24 21 88% ACT 13 8 62% H002 40 36 90%

If ACCE SLO (1) Target not met identify action plan to improve outcomes:	62% of ACT students passed. Three of the 5 Failures were zeros (no submission)...no action at this time.
ACCE SLO (2) Assessment Instrument Used:	N/A
ACCE SLO (2) Assessment Instrument Used: [Other]	
Provide a description of the Assessment Instrument used to assess ACCE SLO #2	NA
ACCE SLO (2) Findings (please report CET Hattiesburg Campus, and CET online separately)	NA
If ACCE SLO (2) Target not met identify action plan to improve outcomes:	NA

Survey response	
Response ID	33
Course Prefix:	AEC
Course #:	315
Course Title:	Mechanical, Electrical and Plumbing Systems
Delivery Format:	Both Online and F-to-F
Pre-Requisite:	AEC 204
Instructor:	Leffi Cewe-Malloy
Semester:	Fall
Year:	2018
Academic Partner Name:	Kenneth Elowitz
Academic Partner Title:	Assistant Teaching Professor
Academic Partner Contact Info:	Worcester Polytechnic Institute Phone: +1-508-831-5294 email: kmelovitz@wpi.edu
Industry Partner Name:	Kenneth Elovitz
Industry Partner Title:	PE - Mechanical Engineer, Esq.
Industry Partner Contact Info:	Energy Economics Inc.
Course guest Speaker (1) - Name, Title, Company	N/a
Course Guest Speaker (1): Topic Covered	N/A
Course guest Speaker (2) - Name, Title, Company	N/A
Course Guest Speaker (2): Topic Covered	N/A
1. ACCE SLO	20. Understand the basic principles of mechanical, electrical and piping systems.
2. ACCE SLO	N/A
Number of Students Enrolled:	116
Number of CET students:	108
Number of AET Students:	8
ACCE SLO (1) Assessment Instrument Used:	Test
ACCE SLO (1) Assessment Instrument Used: [Other]	

Target: 80% of students achieve a 70% or higher on the assessment	
Provide a description of the Assessment Instrument used to assess ACCE SLO #1	I used 3 exams during the semester. exam 1: Mechanical systems exam 2: Plumbing systems exam 3: Electrical systems
ACCE SLO (1) Findings (please report CET Hattiesburg Campus, and CET online separately)	Exam 1: CET campus: 88.5 % of CET students received 70% or higher Exam 1: CET online: 91.5 % of CET students received 70% or higher Exam 2: CET campus: 85 % of CET students received 70% or higher Exam 2: CET online: 91.5% of CET students received 70% or higher Exam 3: CET campus: 85% of CET students received 70% or higher Exam 3: CET online: 80.5% of CET students received 70% or higher
If ACCE SLO (1) Target not met identify action plan to improve outcomes:	N/A
ACCE SLO (2) Assessment Instrument Used:	N/A
ACCE SLO (2) Assessment Instrument Used: [Other]	
Provide a description of the Assessment Instrument used to assess ACCE SLO #2	N/A
ACCE SLO (2) Findings (please report CET Hattiesburg Campus, and CET online separately)	N/A
If ACCE SLO (2) Target not met identify action plan to improve outcomes:	N/A